

VARI-MATIC



***Motor Driven
Electric Cable
Reels***

Level Wind Reels

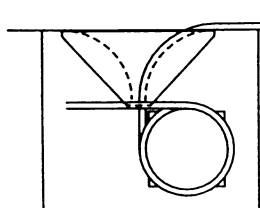
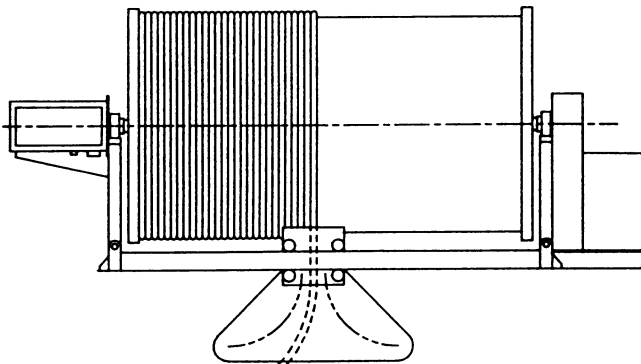
Best Management of Long Cables

Level Winding Reels have demonstrated through years of use to be the safest and most reliable way to handle long lengths of large cable. By winding a single layer of cable horizontally on a generous drum diameter, the cable experiences minimum flexing and is exposed to maximum cooling, should that be a concern. Equipment speeds can be slow, moderate or high with equally good performance. Cable guide is included. Reels can be shipped complete with cable installed, or site mounted by others.



Typical Level Winding Reel

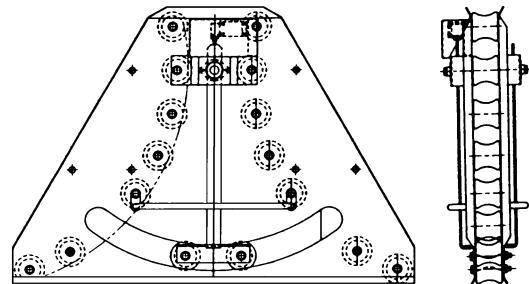
Level Winding reels provide the maximum in cable handling reliability. Due to size of the drum and other components required to achieve this reliability, proper location of the reel is very important. Minimum cable bending is the goal at both the reel and the anchor point. Gleason will be happy to provide assistance on your request for specific application details.



Typical Level Winding Reel and Turnover Anchor

Roller Guide Assemblies

Cable rollers guide assemblies are critical for the proper management of cable being paid out and retrieved in today's demanding applications. Special attention has been given to Gleason's roller guide designs to insure the optimum in efficiency and reliability at each installation. Assemblies are matched to the specific cable diameter and weight and installed to suit the most demanding machine speed and travel limits.

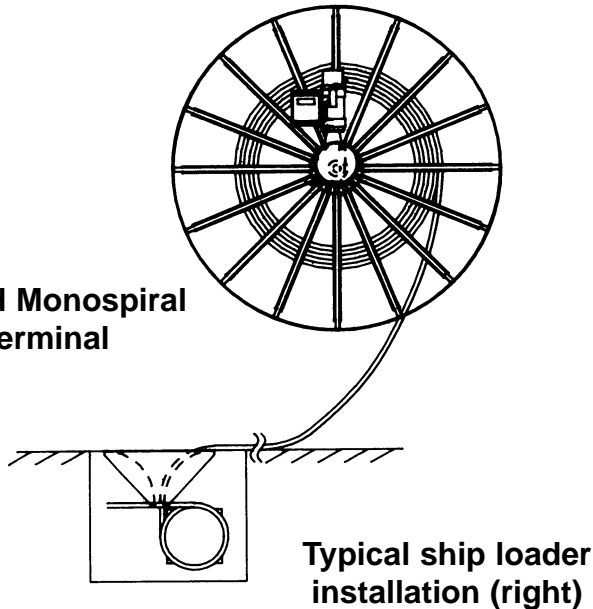


Typical Roller Guide Assembly

Monospiral Reels Best Low Reel Mounting

Monospiral cable reels are designed to stack cable in a single, multiple-layer vertical configuration. They are the solution to applications involving large cables where lateral space may be limited. This narrow spool design, together with proven VARI-MATIC drive reliability, makes monospiral reels ideal for service in any demanding environment. Monospiral reels are available for low, medium or high speed requirements. The monospiral design allows the reel itself to act as a cable guide. Separate guides may be installed. Each monospiral reel is custom designed using information that you supply regarding your specific application and environment.

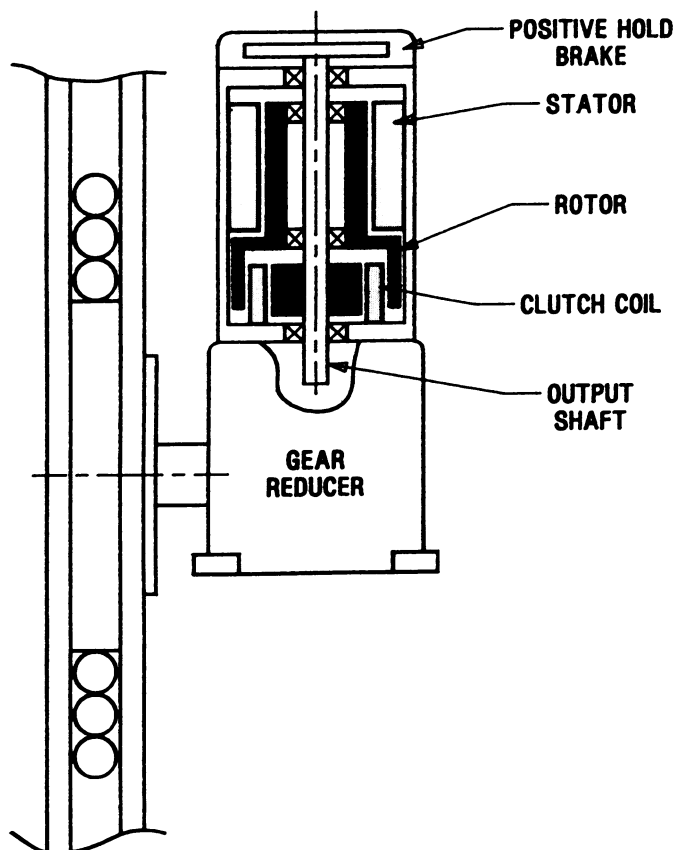
Low mounted Monospiral Reel & terminal



Typical ship loader installation (right)



About the Vari-Matic® Drive



VARI-MATIC FUNCTION

The Gleason VARI-MATIC drive provides a reliable solution to the challenge of retrieving and unwinding long lengths of valuable cable at the demanding cycle rates of today's advanced machinery.

The VARI-MATIC drive consists of an eddy-current clutch fitted with a standard squirrel cage electric motor. This drive assembly will withstand 100% stall and requires virtually **NO MAINTENANCE**.

When energized, the VARI-MATIC drive provides a constant tension to the spool and cable for as long as the machine is in motion. When the machine is shut off and the VARI-MATIC drive is de-energized, a reliable mechanical brake holds the cable spool in place, preventing unwinding of the cable.

The VARI-MATIC drive includes a controller in a custom designed waterproof enclosure. All necessary adjustments for the specific operation are completed at the factory. Field adjustments to suit application changes are easily accomplished without special equipment or personnel.



INQUIRY FORM

MOTOR-DRIVEN REELS

Project Data

Representative _____ Customer _____
 Territory No _____ Address _____
 Date _____
 Lead Time _____
 Valid for _____ Phone () _____ Fax () _____
 Prepared by _____ Contact _____

Cable Data

Cable Size (AWG) _____ Number of Conductors _____ Type of Cable _____
 Voltage _____ Cable O.D. _____ Cable weight per foot _____
 Slip Ring _____ Conductors _____ Amperes _____ Volts _____ Hertz _____
 Max. cable length for payout _____ Total machine travel _____
 Supplier of cable to be _____ Gleason with reel _____ By others (WHO?) _____

Application Data

Reel is to RETRIEVE LIFT DRAG STRETCH

Duty cycle will be _____ cycles per hour/shift day week
 Travel speed _____ fpm @ acceleration of _____ ft/sec²
 Enclosures to be _____ Dust-tight _____ Other _____
 If other, explain _____

Reel drive to be _____ continuous stall _____ other _____

If other, explain _____

Type of cable spool preferred _____ Level wind
 _____ Monospiral
 _____ Random Wrap

Accessories Required

Cable Guide for _____ one way payout _____ two way payout
 Slack Cable Detection _____
 Over-tension Detection _____
 Slack/over-Tension Detection _____
 Anti-Condensation Heater & Thermostat
 In Slip Ring Enclosure _____
 In Drive Motor _____
 Reel Empty Limit Switch _____
 Reel Full Limit Switch _____

PLEASE PROVIDE A SKETCH OF YOUR APPLICATION

Gleason Reel Corp.

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IN YOUR AREA CONTACT: